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How to make a pinhole camera



Home-made cameras track the Sun for



By Fred Attewill

SOME things in life are worth waiting for. Just ask photographer Justin Quinnell.

He was able to get these stunning images of the Sun's passage across the sky using pinhole cameras he made himself.

But he had to leave the cameras in exposed positions across his home town of Bristol for six months before he could see the results.

The trails of light show the passage of the Sun as it arcs across the sky over two seasons.

The lowest trail shows the Sun on the winter solstice in December while the highest tracks its path during the longest day in June.

Sometimes clouds obscured the



Pole position: A pinhole camera Sun, meaning some of the traces became dotted. Mr Quinnell said he took to pinhole photography because it allowed him to indulge in his love of astronomy. 'Most of the cameras survived six months of wind, rain, hail – and being thrown in the bin,' he said.

'Several were blank, one was full of water and one, still exposing, currently sits inaccessibly under ten feet of bramble.'

'To be able to see six months' duration is incredible. It really puts us in our place,' he added.

Mr Quinnell's photos also include a series taken from inside his mouth. Shots include his son Louis peering at him and photos of himself brushing his teeth and biting his nails – all framed with a photo of his teeth.

For more images visit www. pinholephotography.org



Water landscape: An image of cranes taken from The Arnolfini arts centre in Bristol

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six months as it crosses the sky during the winter and summer solstices

Caught on film: The pinhole camera tracks the position of the Sun over SS Great Britain at Bristol dock Pictures: Justin Quinnell



Streets ahead: A view from Clifton Suspension Bridge



A photo entitled 3 Months In The Deaths Of Blance, Grace and Dorcus